Change Management Tools

Topic: Industry Day (Handout)

Date: 15 September 2004

Change Management Tools workflow diagram (Sep 04):

- **CASE** — *Database Design Business Rules*
- **PVCS** — *Source Code* → **Test Director**
- **PAMS** — *Requirements/defectsCost data Ranked requirements*
- **Test Director** — *Requirements/defects Test Scripts Applied ranking criteria*
- **RMS** — *New Requirements* → **Test Director**
- **HEAT** — *User Defects* → **Test Director**
- **Kintana** — *Oracle objects Package Numbers* → **Test Director**
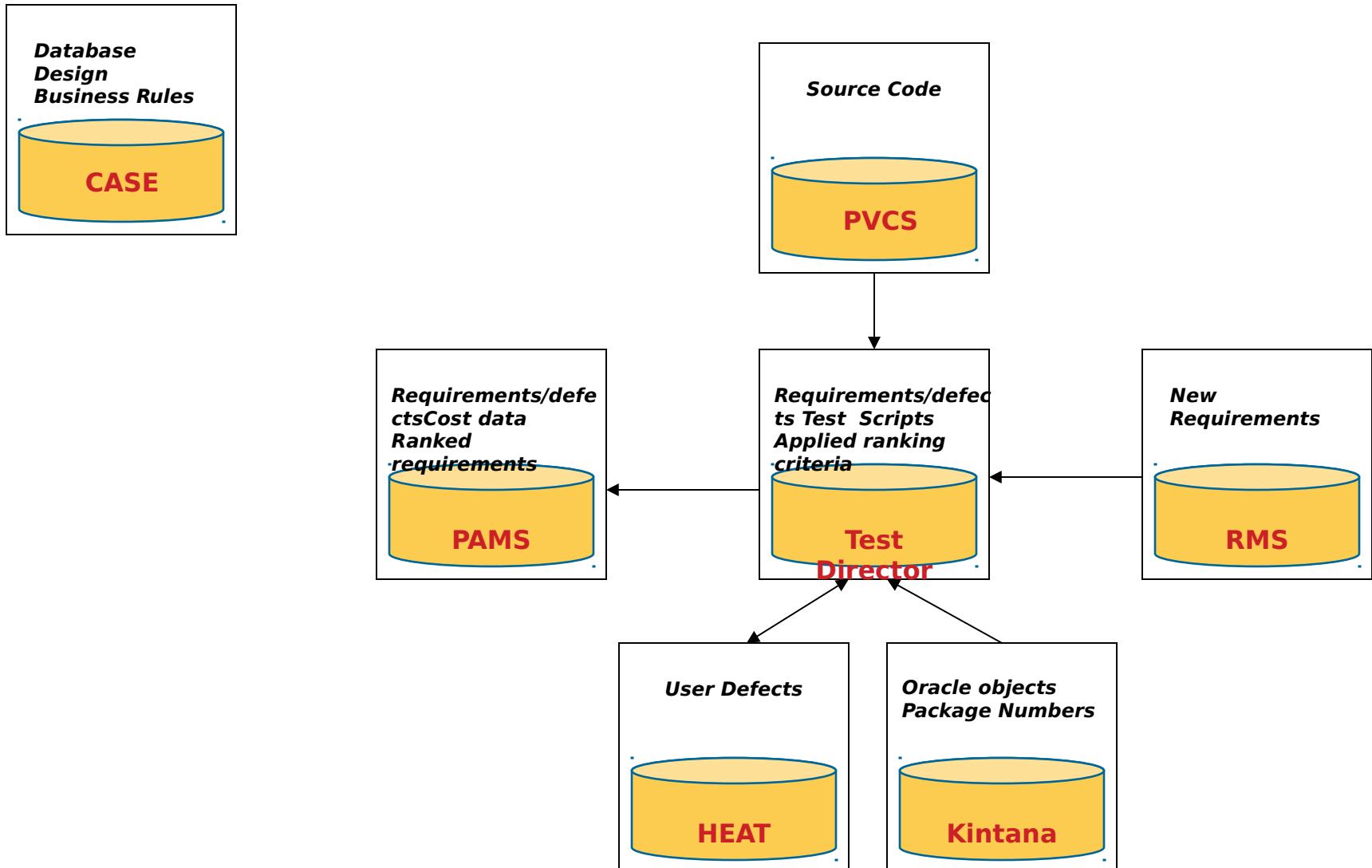
CASE Designer 6i

Function	# of users
Application Administrator	2
DBAs	9
Special Project	3
Technical Support	4
Developers, Functionals, Requirements Anaylsts, Engineers, and Data Managers	212

DESCRIPTION:
- Repository based toolset
- Used to build Flexfield, Value Set, Domains, Complex Where statements, Cascading Dependencies, and External Tables – all in DCR Process

ENVIRONMENT:
- Latest patch release 4.10
- 544 flexfields
- Maintain Forms6i interface to allow easier access to the 'datamap'

TECHNICAL CONCERNS AND ISSUES:
- Maintaining and validating 8000+ business functions

Helpdesk Expert Assist Tool (HEAT)
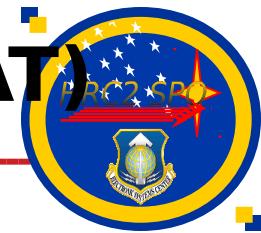
Function	# of users
Database Administrators	2
Call Center Personnel	40

DESCRIPTION:
- Call Center tool used to report suspected software breaks from system users
- Provides coordination and control of reported user problems
- HEAT uses an Oracle database running on a UNIX server
- Receives calls from over 150 locations worldwide
- Approximately 55 software breaks per month are passed to analyst for validation
- Managed by AFPC/DPDOP

STATUS:
- Scheduled to be replaced by Remedy

Kintana 5.0

Function	# of users
BA	9
Sys Admin	2
CM	11
VM	4
Developers, Functionals,	212
Requirements Anaylsts, Engineers, and Data Managers	

DESCRIPTION:
- Software used to migrate and execute Oracle Application Library and PL/SQL code to 13 databases
- Configuration tool of workflows from one database to another
- Implements approximately 30 packages per release
- Implements approximately 20 objects per patch
- Maintain approximately 50 workflows
- Provides administrative logs & configurable reports for all of MILPDS

ENVIRONMENT:
- 8.1.7.4 Unix Servers
- Internet Explorer 5.0

FUNCTIONAL CONCERNS AND ISSUES:
- Technical support and upgrades from vendor since ownership has changed companies

Project Accounting and Management System (PAMS)

Function	# of users
Data Systems Managers	2
Tool Administrator	1
Developers, Analysts, Testers, Database Administrators	150

DESCRIPTION:
- Automated change management and cost accounting system
- Provides management of change requests ensuring Estimated and Actual Costs are submitted
- PAMS is a UNIX-based database file system supported by a Computer Assisted Tool (CAT) software application.

STATUS:
- Scheduled to be replaced by StarTeam functionality Nov 2004

PVCS Version Manager

Function	# of users
Sys Administrator	1
Version Managers	4
Developers, Analysts, Testers, Database Administrators	150

DESCRIPTION:
- Used for storing and versioning MilPDS source code and documentation
- Windows based system
- Resides on Windows NT server
- Administered by Version Management

STATUS:
- Scheduled to be replaced by StarTeam functionality Nov 2004

TestDirector 8.0

Function	# of users
Administrator	2
Process QC	10
Req Analyst	58
Bus Pro Owners	19
Tech Analyst	42
Developers	60
Testers	30
CM	11
Dataload Mgrs	5
DBAs	9
SEPG	3
PSOCC	25
Read Only	25

DESCRIPTION:
- Mercury Interactive Web based test management tool
- Customized to facilitate until StarTeam implementation
  - Requirement tracking and validation
  - Assist CM accountability
  - Release planning
- Facilitates organization and management of all phases of the application testing process including
  - Planning & executing tests
  - Tracking defects
  - Reports and metric generation

Environment:
- Production & Development Databases
  - MS SQL Server 2000
- 2 TestDirector Servers production & test
  - MS Windows 2000 Server
  - Mercury Interactive TestDirector v8.0

TECHNICAL CONCERNS AND ISSUES:
- Multiple project integrations
- StarTeam/Caliber integration

FUNCTIONAL CONCERNS AND ISSUES:
- Limited licensing issues
  - Over 300 users and 80 concurrent licenses (maybe resolved with StarTeam implementation)

Requirements Management System (RMS)

| Function	# of users
Administrator	2
Developer	1
CM	2
Requirements Analysts	58
Bus Process Owners	19

DESCRIPTION:
- Web based Requirements Management System
- Developed in house
- Managed by AFPOA

STATUS:
- Replaced by StarTeam/CaliberRM at FOC

Change Management Tools
Future Implementation

Database Design

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CASE

PAMS

PVCS

RMS

Testing Defects Test Scripts

Test Director

Business Rules

CaliberRM

Source Code Configuration Items Requirements/defects Cost data
Ranked requirements

StarTeam

User Defects

HEAT/Remedy

Oracle objects Package Numbers

Kintana
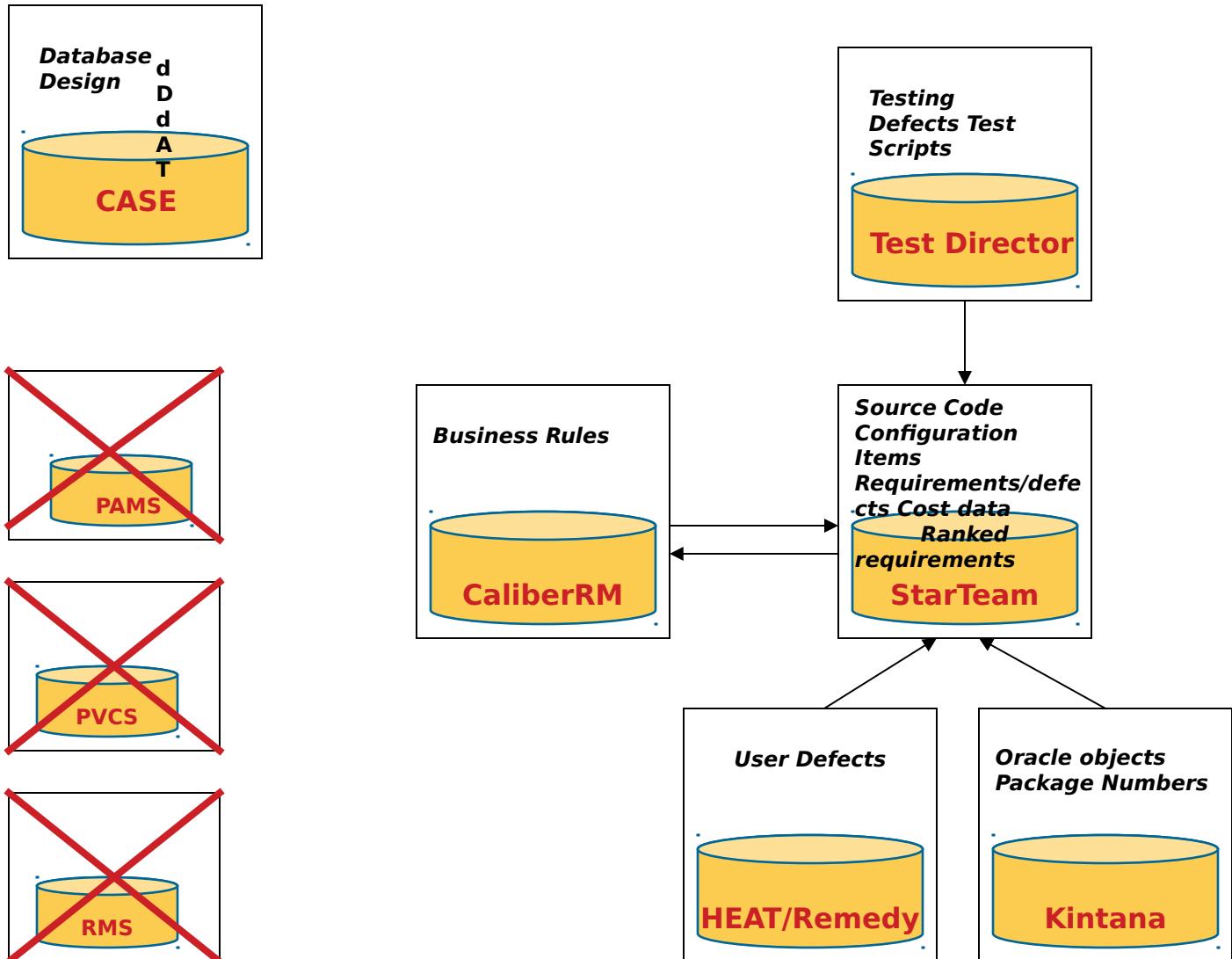
StarTeam/CaliberRM

Function	# of users
Project lead	1
Trainer	1
Tool Admin	1
Developer	1
Process QC	10
Req Analyst	58
Bus Pro Owners	19
Tech Analyst	42
Developers	60
Testers	30
CM	11
Dataload Mgrs	5
DBAs	9
SEPG	3
PSOCC	25

DESCRIPTION:
- Automated configuration and change management system
- Provides management of requirements, change requests and application lifecycle tasks from a single database
- StarTeam Enterprise 6.0 uses an Oracle database file system. The client – server application is written in Java running on Windows. It is web enabled.
- CaliberRM 6.3 is a client-server requirement management application wrapped around an Informix database written in JAVA running on Windows. It is web enabled.

STATUS:
- Currently working 4 database integrations into a single repository.

TECHNICAL CONCERNS AND ISSUES:
- Remedy Integration

SCHEDULE:
CaliberRM Implementation Sept 30 2004
StarTeam first stage implementation Nov 19 2004

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